User´s Manual

AUDIO AND VIDEO DIGITAL RECORDER-EDITOR

Model: DE200-00DP

Version 1.4a

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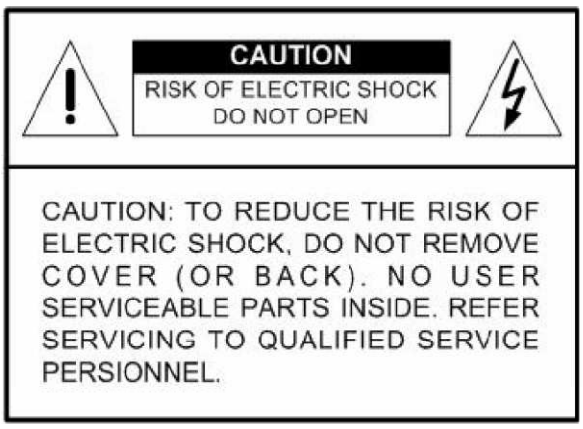
All of the specifications of this manual are subject to changes without notification.

Caution and Preventive Tips

- Take care not to drop the unit or subject the unit to major shocks or jolts.
- Do not place this unit on an unstable stand, bracket or mount.
- This unit is designed for indoor use only. Do not place the unit near water or in other extremely humid conditions.
- This unit should not be placed in a built-in installation unless proper ventilation is provided.
- Please check the used type of power source before you plug and operate the unit.
- If the clearing is necessary, note to plug the unit from the outlet before uncovering the top cover. Do not use liquid cleaners or aerosol cleaners. Use only a damp cloth for cleaning.
- Always power down the system prior to connecting and disconnecting accessories, with the exception of USB devices.
- Lithium battery: Danger of explosion if battery is incorrectly replaced. Replace with the same or equivalent type recommended by the battery manufacturer. Dispose of used batteries according to the battery manufacturer's instructions.
- Do not block the fan on the bottom of the unit for air ventilation.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSIONNEL.

This symbol intends to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This symbol intends to alert the user to the presence of unprotected "Dangerous Voltage" within the product's enclosure that may be strong enough to cause a risk of electric shock.

Important Information

Before proceeding, please read and observe all instructions and warnings in this manual. Retain this manual with the original bill of sale for future reference and, if necessary, warranty service. When unpacking your unit, check for missing or damaged items. If any item is missing, or if damage is evident, DO NOT INSTALL OR OPERATE THIS PRODUCT. Contact your dealer for assistance.

Rack Mounting

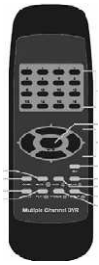
Consult with the supplier or manufacturer of your equipment rack for the proper hardware and procedure of mounting this product in a safe fashion. Avoid uneven loading or mechanical instability when rack-mounting units. Make sure that units are installed to get enough airflow for safe operation. The maximum temperature for rack-mounted units is 40 ℃. Check product label for power supply requirements to assure that no overloading of supply circuits or over current protection occurs. Mains grounding must be reliable and uncompromised by any connections.

Unpacking

DVR-E
DE200-00DP

Cable

Remote Control



Manuals

1. Overview

The Audio and Edit Digital Recorder-Editor model DE200-00DP is pioneering in the characteristic Stand Alone gathering the resources of the technology of digital recording with audio edition and video.

The DVR-E model **DE200-00DP** allows that an external audio to be added through the channels audio (R and L), modifying the original audio of the a video. For this audio edition a microphone can be used for insert of speeches and sound adapts or until yours sound equipment, make possible the insert of the yours favorite music or even the propaganda of a product or mark.

In the **DE200-00DP**, the video can be edited and only sent with main parts without the need of the sending the complete video.

The **DE200-00DP** is adapted for a wide range of applications in systems of to 16 cameras and 2 audio channels.

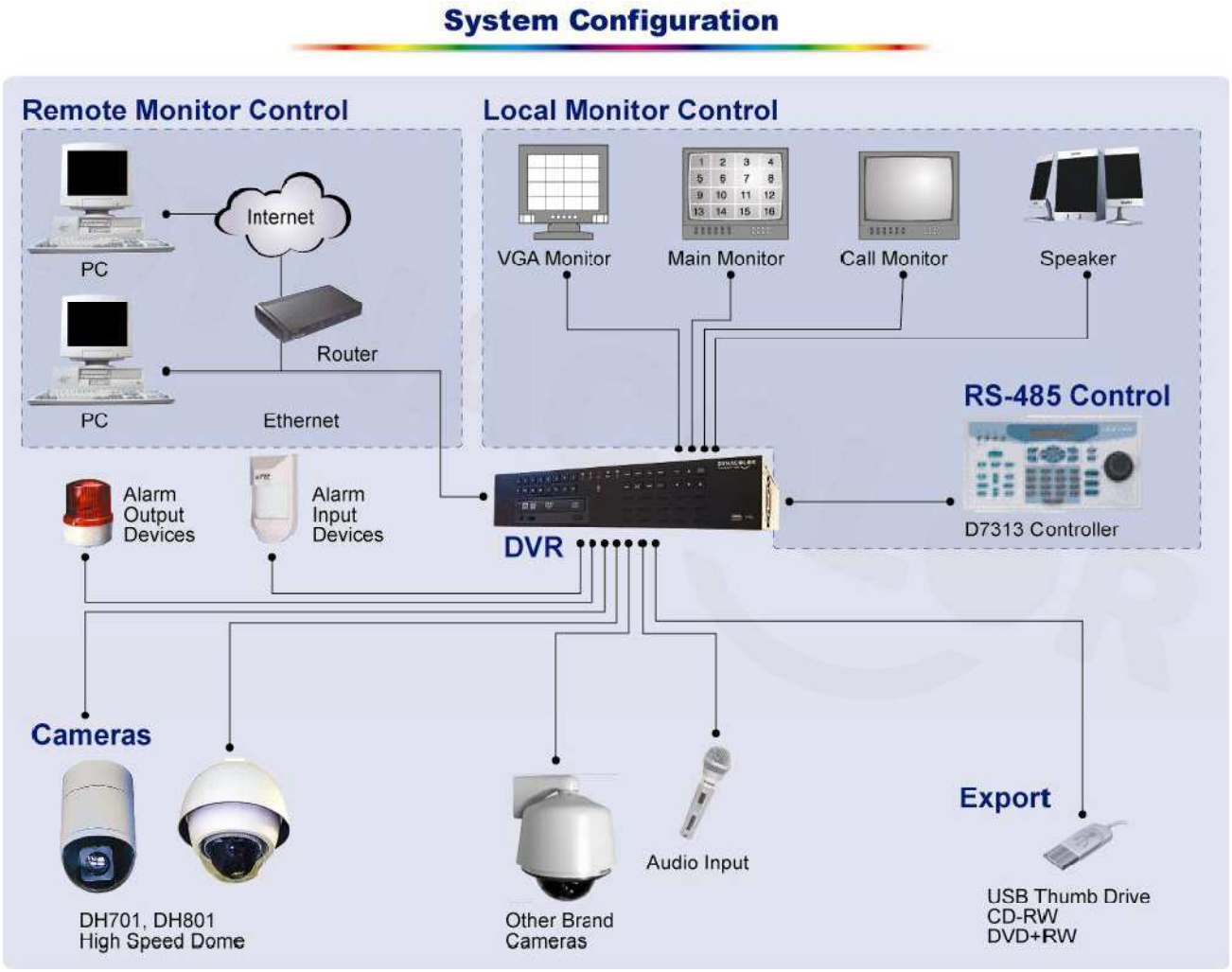
The **DE200-00DP** has friendly graphic Interface that allows simple and intuitive operation.

1.1 Product Key Features

- Audio and Video Edit
- MPEG-4 high quality compression
- 16 channels video input
- Triplex+ operation enabling simultaneous viewing live or playback while continuing to record
- Embedded Linux operating system
- Real-time “live display” for each channel
- Recording frame rate up to 480 pps (NTSC) / 400pps (PAL)
- 2 Channels of audio recording/ playback
- Three USB2.0 ports for video clip export and/or backup
- Easy software upgrade via USB ThumbDrive®, DVD+RW, or Internet
- Remote Application
- Up to 4 internal hard disk drives support up to 1TB capacity
- Hard disk drive full alarm for noticing
- 2X Digital Zoom available in live mode
- Export video (AVI & DRV) with audio and digital Signature
- Exported AVI file can be played in any PC with DivX decoder installed
- Automatic camera detection (Plug & Play)
- Covert camera operation provides enhanced security and administrator Control
- Per camera configuration for camera settings, frame rate, picture bit rate, alarms, motion detection.
- Programmable day/ night/ weekend scheduling
- Programmable main monitor/ call-monitor switching sequence
- Dual video out for monitoring
- Powerful alarm processor allows flexible alarm trigger and responses, including alarm, motion, and camera failure
- Text Message (Short Message Service; SMS) sent to your mobile phone for alarm notice.
- Dome control protocols: DynaColor, Pelco D, Pelco P,AD422 and Fastrax 2.
- Pre-program the OSD menu using a mouse connected to the USB port

1.2 Product Application Diagram

Connect the unit with other devices as shown in the system diagram to complete a video surveillance solution. The figure shows also the expandability and flexibility of this digital recording and editing system.



2. System Setup

The notices and introduction on system installation will be described particularly in this chapter. Please follow the description to operate the unit.

In order to prevent the unit from data loss and system damage that caused by a sudden power fluctuation, use of an Uninterruptible Power Supply (UPS) is highly recommended

2.1 Position the Unit

Firstly, note to position / mount the **DVR-E** in a proper place and be sure to power off the unit before making any connections. The placed location should avoid hindering or blocking the unit from airflow.

Enough airflow is needed to protect the unit from overheating. The maximum allowable temperature of operating environment is 40℃.

The unit utilizes heat-conducting techniques to transfer internal heat to the case, especially to the bottom side of the unit.

NOTE: Be sure not to remove the rubber feet, and always leave a space for air ventilation on the unit's bottom side.

2.2 Selecting Video Format

The **DVR-E** is designed to operate under either NTSC or PAL video formats. The switch is positioned on the rear panel.

2.3 Connecting Devices to the Unit

This section lists some notices that should be given before making any connections to the **DVR-E**.

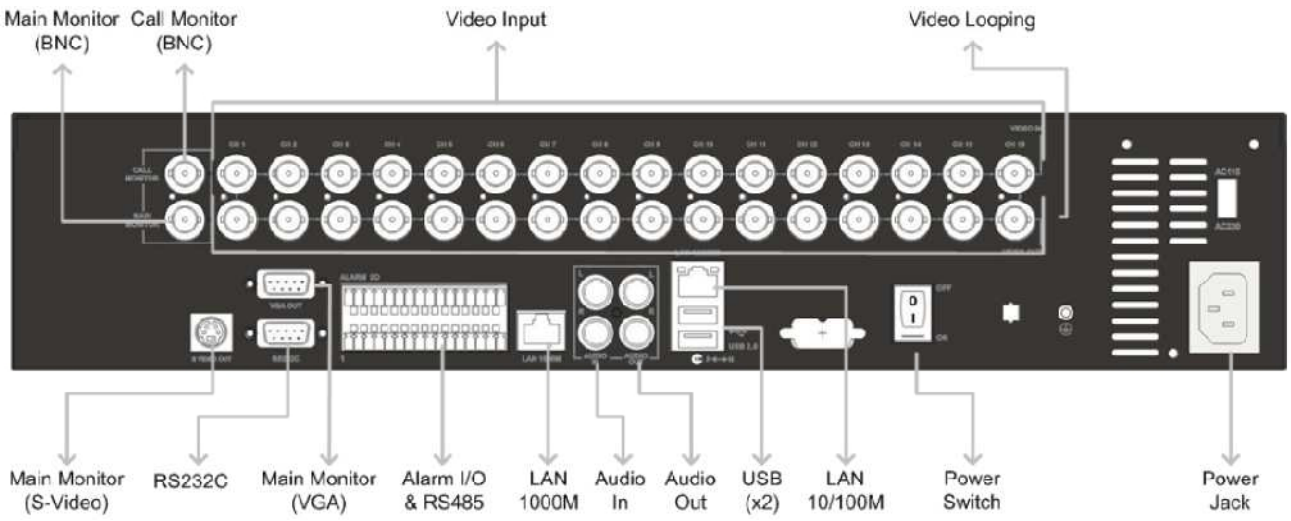
NOTE: Connect short-term devices, such as USB ThumbDrive®, USB CD-RW, USB Hard Disk Drive, etc., only after the unit is successfully powered up.

Connecting Required Devices
Before power up the unit, you should connect cameras and a main monitor to the unit for basic operation. If needed, connect a call monitor for displaying full screen video of all installed cameras in sequence.

Connecting Short-term Device
If you plan to install any short-term devices to the **DVR-E** and use them as part of the unit system, such as USB CD-RW, USB Hard Disk Drive, etc. Make sure connecting those devices only during the unit is powered up. Because **DVR-E** can recognize the external devices only after the power-up process is done completely.

2.4 Rear Panel Connections

There are various connectors on the rear panel used for **DVR-E** installations. The following figure shows the connectors by name; and followed by the detailed description of each connector.



Main Monitor (S-Video / BNC)
Both S-Video and BNC output connectors are offered for connecting to a main monitor. The main monitor displays live image and playback recorded video in full-screen or split-window format.

Call Monitor (BNC)
The call monitor is used to display full screen video of all installed cameras in sequence. The BNC call monitor connector allows user to connect the **DVR-E** with an optional call monitor.

Video Input
16 BNC connectors are offered for video input streams from installed cameras.
The number of connectors is equal to the number of channels.

Camera Looping
Plenty of BNC connectors are positioned on the real panel for looping out the video input.

LAN Connector (RJ-45)
The **DVR-E** is capable of networking. The LAN port opens the door of **DVR-E** to Ethernet where by the Internet.

Power Jack
The **DVR-E** has an adjustable voltage AC 115 / 230 power connection jack. Before you connect to a power supply, please note that the switch is set to the appropriate setting. Please connect the power supply that ships with the unit.

NOTE: Use of other power supply may cause overloading.

Power Switch
Used to power up and shut down the unit.

Audio In / Out115 /
The **DVR-E** provides two channels of audio recording and playback. Audio In RCA connector is offered for connecting an audio source device (e.g. external amplified microphone) to the unit; Audio Out RCA connector is offered for connecting an audio output device (e.g. amplified speakers) to the unit.

Alarm I/O & RS485
The unit provides an alarm I/O and RS485 port that offers user the flexibility required to connect the unit to the other device.

Pin	Definition	Pin	Definition
1	Ground	17	Alarm In 1
2	Normal Close 1	18	Alarm In 2
3	Common Node 1	19	Alarm In 3
4	Normal Open 1	20	Alarm In 4
5	Ground	21	Alarm In 5
6	Normal Close 2	22	Alarm In 6
7	Common Node 2	23	Alarm In 7
8	Normal Open 2	24	Alarm In 8
9	Ground	25	Alarm In 9
10	Normal Close 3	26	Alarm In 10
11	Common Node 3	27	Alarm In 11
12	Normal Open 3	28	Alarm In 12
13	Ground	29	Alarm In 13
14	RS485 D+	30	Alarm In 14
15	RS485 D-	31	Alarm In 15
16	Ground	32	Alarm In 16

VGA Out
A VGA output connector is offered for connecting to a VGA main monitor. The source of image of VGA and BNC main monitor are the same.

RS-232C
The unit provides a RS-232C communication port for sending and receiving signals.

USB Connector (x2)
There are two USB2.0 ports on the rear panel for users to connect external USB devices to the unit, such as ThumbDrive® or CD-RW.

DVR-E allows users to preset the OSD settings using a USB mouse.

3. General System Setup

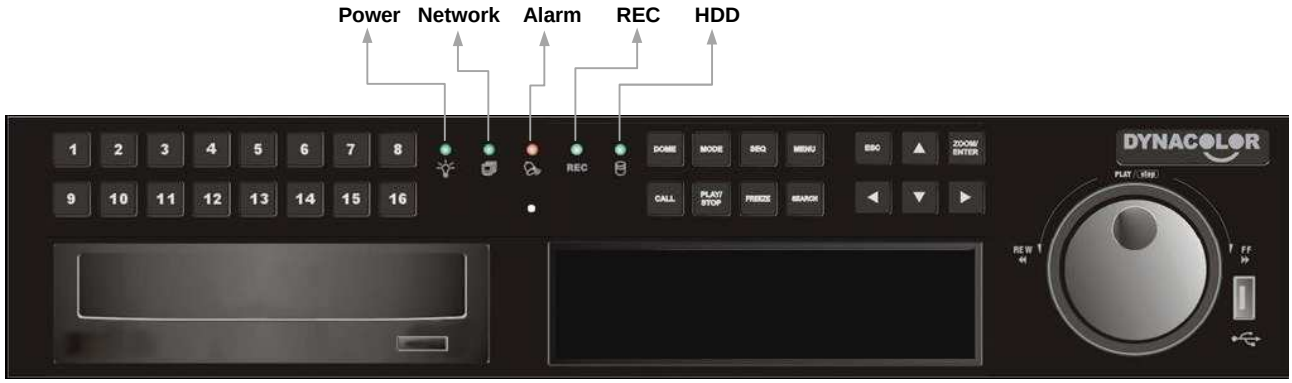
The **DVR-E** allows user to access some general operations through the front panel easily. The following subsections introduce the general operations of the unit.

3.1 Front Panel Introcuction

The unit's front panel controls enable user to control the unit and preset the programmable functions.

3.2 Led Definition

The **DVR-E** LEDs on the front panel are described as follows.



Power LED (Green)
The LED lit during the period when the correct power is connected to the unit.

HDD LED (Yellow)
The LED should be lit while the HDD is processing data to or from the connected HDD.

Alarm LED (Red)
The LED should be lit during an alarm is triggered.

Network LED (Green)
The LED should be lit when **DVR-E** is connected to a network and blink when the data is being transferred.

REC LED (Green)
The LED should blink while the **DVR-E** is recording.

3.3 Funcional Keys

The **DVR-E** functional keys on the front panel for normal operation are described as follows.
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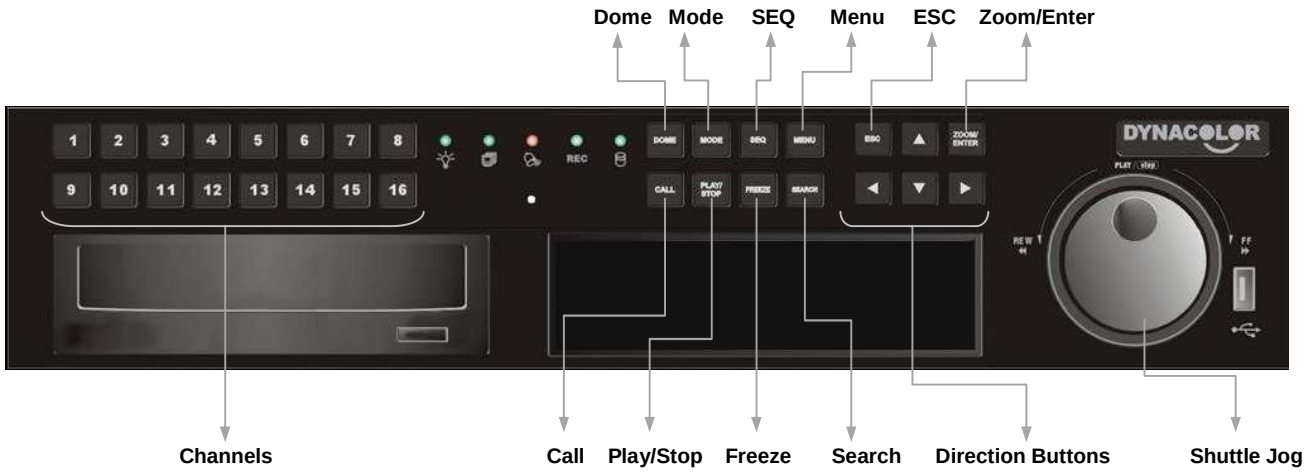


CALL
- In Live mode, press to enter call monitor control mode.
- In Playback mode, press to quick export video to external device, including USB CD-RW and ThumbDrive®, etc.

Direction Keys
- In Zoom mode, these keys function as Direction keys.
- In the OSD setup menu, the Direction keys are used to move the cursor to previous or next fields. To change the value in the selected field, press UP / DOWN keys.

UP
RIGHT / DOWN / LEFT

Dome
Press the key to enter dome control mode.

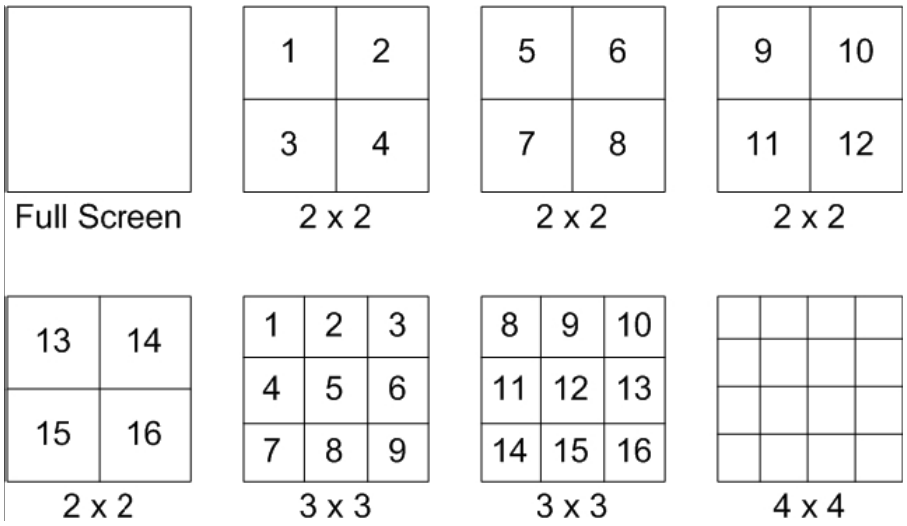
ESC

- Press to cancel or exit from certain mode or OSD menu without changing the settings made previously.
- This key allows you to enable the key lock function.
  If the password protection has been enabled, press ESC for two seconds to lock up the function of certain keys on the front panel, including PLAY, MENU, SEARCH, CALL and DOME. Once you lock up the function of these keys, you have to enter the correct password before accessing the functions of these keys. The unlocking duration will list for 5 minutes, then these keys will go back to locked mode.
  If the password protection hasn't been enabled, press ESC for two second to lock/ unlock the functions of these keys.

  NOTE: Please go to the <Password> menu to enable or disable the password protection.

MODE

Press repeatedly to select for wanted main monitor display format. There are three available view modes: full screen, 4-window (2×2) and 16-window (4×4).



PLAY/ STOP
Press this key to switch between live image and playback video.

NOTE: The video of latest 5 ~ 10 minutes cannot be played back, because the video is still saved in the buffer.

FREEZE
- Press FREEZE while viewing live image, the live video will be frozen. The date / time information shown on the monitor will continue updating. Press FREEZE again to return to live mode.
- Press FREEZE while playing the recorded video, the playback video will be paused. Press LEFT / RIGHT to move the recorded video reverse / forward by single step. Press FREEZE again to continue playing video.

SEQ (Sequence)
Press to start automatic sequencing of the video coming from the installed cameras.

SEARCH
In both Playback and Live mode, user can press SEARCH to call the Search menu for searching and playing back recorded video by date and time or events.

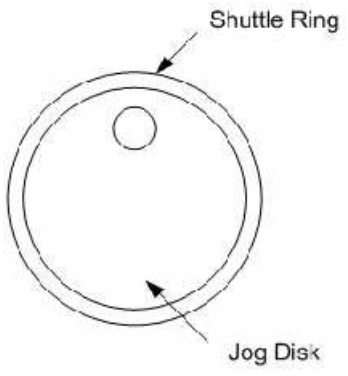
MENU
Press the key to call the OSD setup menu.

ZOOM / ENTER
- In OSD menu or selection interface, press the key to make the selection or save settings.
- In live full screen view mode, press to view a 2× zoom image; press it again to return.

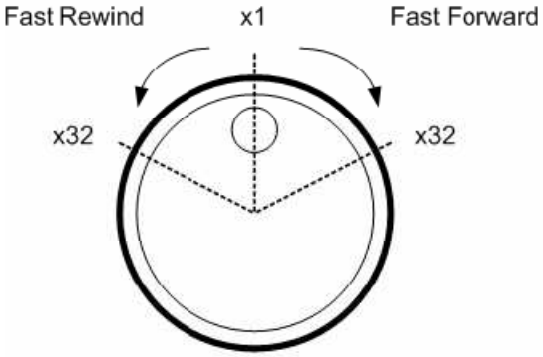
CHANNELS
• When in both Live and Playback modes, press the CHANNEL key to view the corresponding video in full screen. The number of the CHANNEL keys corresponds to the number of cameras supported by the unit.
• When in dome control mode, the key named “1” is used to access the Set/Go preset menu; the key named “2” is used to hide or display the dome setting parameters.

JOG / SHUTLLE

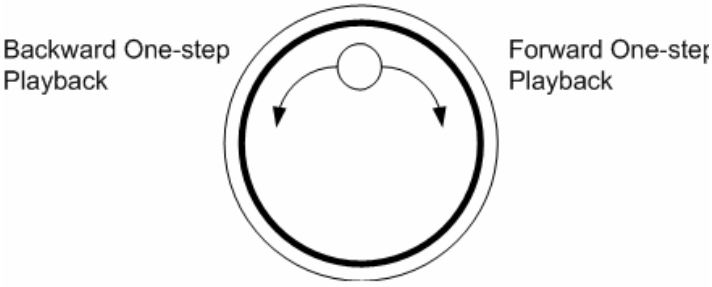
The jog/shuttle knob, shown as below figure, is a combination of a shuttle ring with an embedded jog disk, which is used to provide wide latitude in playback control. Note that the jog/shuttle knob is active only when the DVR-E unit has been in Playback mode.



While playing back video, you can use the shuttle ring to select different speed of forward and backward playing. Rotating the shuttle ring counterclockwise causes the unit to playback into faster forward/ backward playing speed. According to the angle you rotate the shuttle ring, you can choose the playing speed from 1×, 2×, 4×, 8×, 16×, and 32×, in both forward and reverse directions, shown as below figure:



Inside the shuttle ring is the jog disk, shown as the figure, it can turns completely in either directions. Once you freeze the video, you can use the jog disk to go single-step playing back. Clockwise rotation causes a forward one-step playback; and counterclockwise rotation causes a backward one-step playback.



3.4 Install HDD to The Unit

There is a cartridge positioned on the front panel, and it allows user to install a swappable HDD. There will be two possible situations when you install a HDD into your DVR-E.

- If you install whole new HDDs, the DVR-E will format it and add it into your database automatically.

- If you install an used HDD which doesn't have the DVR-E format, the DVR-E will show up "1 disk(s) with wrong data format! Please format them and then add to the database manually". Then please follow the steps as wedescribe below:

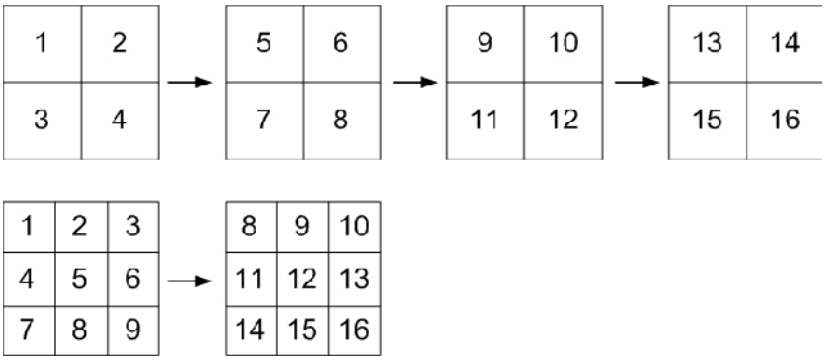
  - Please enter the menu with the administrator privilege and access the"Database Information" section
  - Please access the "Internal(or external) Disks"
  - You can see the available disks, please select "format" to format it
  - After formatting is OK, please select "Add" to add them into your database.

4. Setup Sequence

This section introduce you how to view in sequence mode with both Main Monitor and Call Monitor, if connected. Sequence function can avoid manually backtracking and give more flexibility while surveillance.

4.1 Sequence with Main Monitor

Automatic sequence function can be used in any view mode. Select certain view format and press SEQ to toggle the automatic sequential sequence, press ESC to stop sequencing. The figure below displays the 4-camera and 9-camera sequencing view modes.

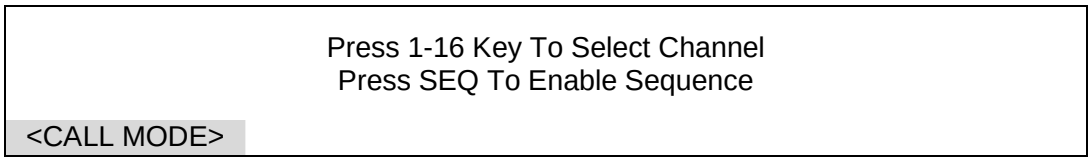


4.2 Sequence with Call Monitor

Users are allowed to use the **DVR-E** front panel to control a call monitor display without having to access the Main menu. Two viewing modes can be displayed on call monitor: Sequence display and Single camera display.

Follow the steps to control the call monitor.

- Press the CALL key on the front panel to enter call monitor control mode, the message “Call Mode” will be shown on the bottom-left of the screen.

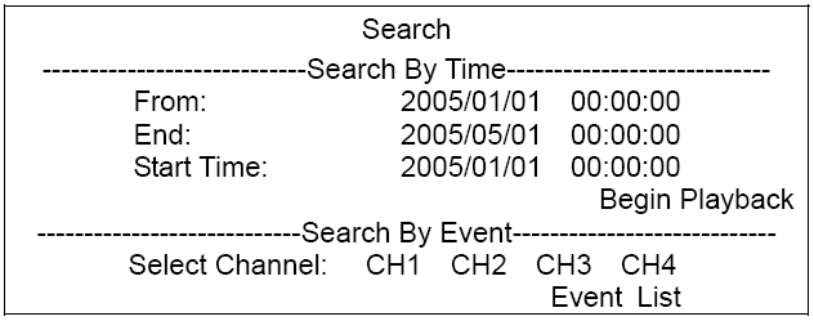


- Press CHANNEL key to display the associated camera on call monitor.
- Alternatively, press SEQ repeatedly to display the sequence of cameras previously programmed in Call Monitor Schedule menu.
- Press ESC to return the front panel to Main monitor control mode.

4.3 Searching Recorded Video

The **DVR-E** is capable of searching and playing back recorded video by date and time or events. Entering the specific date and time of the wanted video, the unit will then search for the matched video and play it on the monitor. Alternatively, user can search event video by selecting channel as well.

In live or playback mode, press SEARCH to enter the Search menu, which is shown as follows.



4.4 Searching by Time

Follow the steps to search video by date and time.

- Press SEARCH key to enter the Search menu; the From Time and End Time of the available video is listed on top of the screen. The value is unchangeable.
- Use Direction keys to move the cursor for setting the Start Time; adjusting the date and time values by UP / DOWN keys.
- Press ENTER to confirm the settings or ESC to abort.
- Move the cursor to <Begin Playback> and press ENTER to start playing back the selected video.
- Either press PLAY/STOP again or ESC to return to live video.

NOTE: If there is no available recorded video that matches your specified time and date, the unit starts playback from the next available video.

NOTE: The date/time information will be shown on the screen with a DST icon if the Daylight Saving Time function is enabled. “S” indicates summer time and “W” indicates wintertime.

4.5 Searching by Event

“Event List” allows you to search wanted video by event. The Event List is displayed as below figure:

Event List

First Page

Date	Time	Ch.	Type
2005/03/17	11:26:50	2	Motion
2005/03/17	09:53:03	5	Alarm
2005/03/16	16:14:42	3	Alarm
2005/03/15	03:45:31	1	Motion
2005/03/12	22:27:56	1	Alarm
2005/03/12	10:09:29	7	Motion
2005/03/11	12:18:20	6	Motion
2005/03/10	05:16:00	4	Alarm
2005/03/08	17:11:37	2	Motion
2005/03/08	16:29:10	8	Motion
2005/03/08	03:22:17	2	Alarm

Follow these steps to search event video through Event List:

- Press SEARCH to enter the Search menu.
- To search event video that has been recorded on a specific camera, use LEFT / RIGHT to move the cursor and press ENTER to select or de-select a channel.
- Move the cursor to <Event List> and press ENTER to list the event video of the selected channels. The Event List displays.
- To exit the event list, press ESC. Follow the steps to playback video from Event List.
- Press and hold UP / DOWN to scroll through the Event List.
- Press ENTER to play back the selected event record.
- Press PLAY/STOP to return to live mode.

4.6 Audio and Video Edit

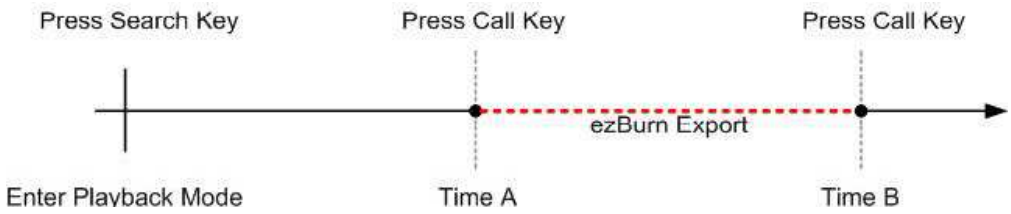
The following sections will guide you how to export video throng the OSD Setup menu and through the hot keys positioned on the front panel, respectively.

4.9 ezBurn Introdution

Built with the ezBurn technology, ezBurn function provides users the easier way to export desired video with CD-RW built in or to an external device connected, such as an USB ThumbDrive®.

TWO keys (SEARCH and CALL) and THREE touches are all you need for completing the export. The whole exporting process will be done through the front panel, but no need to enter the OSD setup menu.

The ezburn export process is illustrated as below figure:



5. Audio & Video Edit

The Audio &Video edit menu enables the administrator to export recorded video with digital signature to a USB ThumbDrive®, a CD-RW or to DVD+RW drive. Administrator's password is required to edit audio and video.

The edited video will be named by the exporting date and time, and classified by event type.

Make sure an external storage device is available and connected to the appropriate port for audio and video edit.

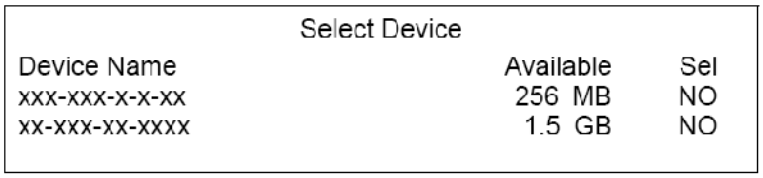
From the Main menu, select <Audio & Video Export> and press ENTER. The menu is displayed.

Audio & Video Export

1. Export Edit File to Device	
2. Select Ch:	CH1 CH2 CH3 CH4
3. From	2005/03/19 AM 07:50:05
4. To	2005/03/28 PM 03:09:18
5. Select Events	
6. Type of Edit Data Exported	Normal
7. Edit Data Format	AVI
9. Erase Disc	NO
10. Enable Editor	Audio

Select Export Edit File to Device

The available external devices for exporting video will be listed by name and free size in Select Device menu. The Select Device menu displays as follows.



The **DVR-E** only supports EXT3 file system. If you connect an external HDD to the unit, ensure the format of HDD is EXT3.

Device Name
The item shows the name of the available device.

Available
The item shows the free space of the available device.

Select
Set the item to <YES> to start the export, or <NO> to cancel.

Select Channel
Select the channel that the administrator wants to export. Move the cursor to the wanted channel using LEFT / RIGHT keys, select or de-select a channel by pressing ENTER.

From / To Time
The items are used to set the time which data edit begins and ends. Move the cursor using Direction keys, and press ENTER to select the date / time items; adjust the selected date and time value by UP / DOWN keys.

NOTE: The edit data between the Start Time and End Time includes both normal and event video.

Select Events
Select the item to display the event list for exporting event video. Move the cursor scroll the event list and press ENTER to select the event you want to export.

Type of Edit Data Exported
The item is used to select exporting video type. The options are <Normal> (export normal video only), <Event> (export event video only) and <Both> (export both normal and event video).

NOTE: If you want to export event video only, then please set the "From" and "To" items at the same date and time. Otherwise, not only the event video but also the normal video included between the "From" date/ time and "To" date/time will be exported.

Edit Data Format
The item is for selecting exporting video format. The options only <AVI>.

Enable Editor
Select <Both> , <Audio> or <Video> and press ENTER to start to edit.

Quick Video Export through Front Panel

The unit allows you to export wanted video to the built-in CD-RW or an external device, such as a USB ThumbDrive®, and save the video to *.drv file.

If you want to export video to an external device, make sure the external storage has been connected to the DVR-E unit and the port has been set appropriately for video export.

5.2 Deleting Recorded Video

User can delete the recorded video in Purge Data menu. The administrator password is required to access the function. Select <Record Setup> from Main menu, and then in Record Setup menu, move the cursor to <Purge Data> and press ENTER; the Purge Data menu is displayed.

Purge Data	
1. Purge All Data	NO
2. Purge All Event Data	NO
3. Purge Event Before	2000/01/01
4. Start to Purge	NO

The first three items are used to select the data that you want be purged. The items are described as follows. After select the data you want to purge, set the forth item <Start to Purge> to <YES> and press ENTER to start the deleting process.

Purge All Data
Select the item to delete all normal recorded video from database.

Purge All Event Data
Select the item to delete all event video from database.

Purge Event Before
The item is used to delete event video that recorded before a specific date.

5.3 Dome Control

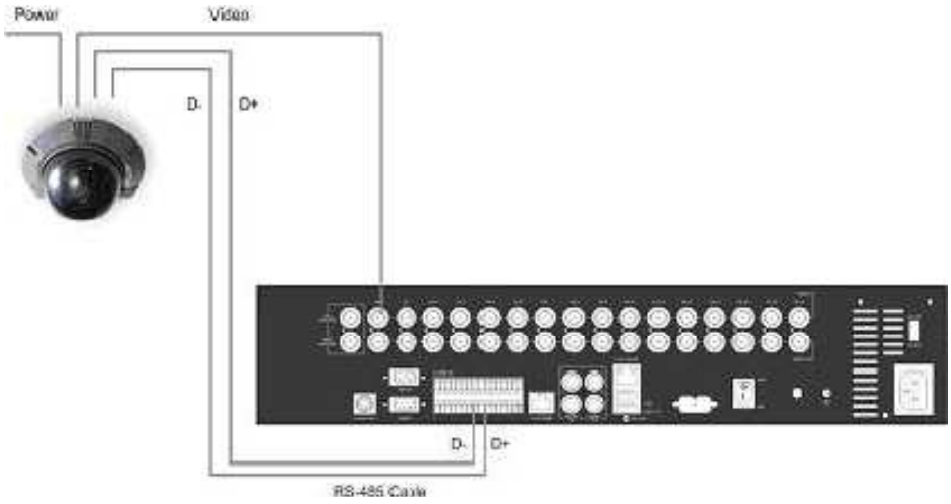
The **DVR-E** allows user to control a dome camera by the front panel.

In Live mode, user can press CHANNEL key to display the desired dome camera in full view. To enter Dome Control mode, press the DOME key and press channel key 2 to display the hint screen; to exit the Dome Control mode and back to live mode, press ESC or DOME.

5.4 Dome Connections

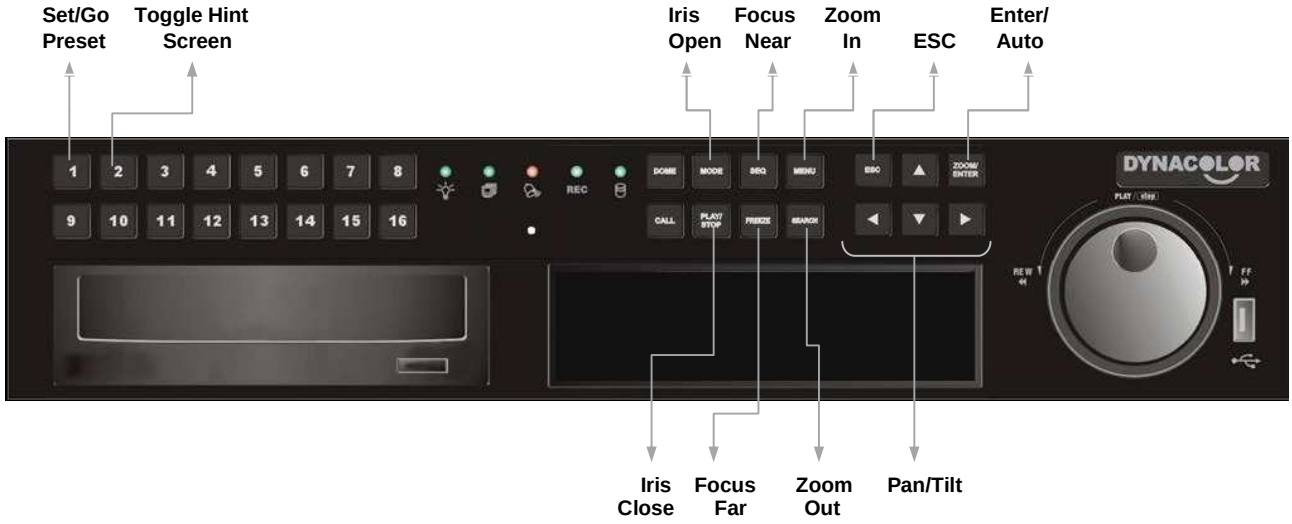
Follow the steps to install dome camera.

- See OSD Menu Setup Guide, Section Rear Panel Connections for RS-485 port pin definition.
- Refer to the following figure. Connect the R+, R- terminals on the dome camera to the D+, D- terminals on the RS-485 port by RS-485 cable respectively.



5.5 Dome Controlling Key

The function keys used in Dome Control are described as follows.



Set / Go Preset
This key is used to enter the Dome Preset menu to set up certain position as a preset and go to the predetermined preset positions for viewing.

Toggle Hint Screen
This function is used to avoid viewing the dome parameter information while controlling dome camera. Press this key to hide the screen. Press it again to redisplay the screen.

Iris Open
Use to open the Iris on the dome camera.

Focus Near
Use to focus the dome camera near.

Zoom In
Use to zoom the dome camera in. This function is for user to choose the viewing area, more or less of it.

ESC
Use to leave dome control mode and return to live and full screen viewing mode.

Auto / Enter
• In OSD Menu mode, the key is used to make selection.
• In dome control mode, this key is used to activate automatic focus and iris function.

Iris Close
Use to close the Iris on the dome camera.

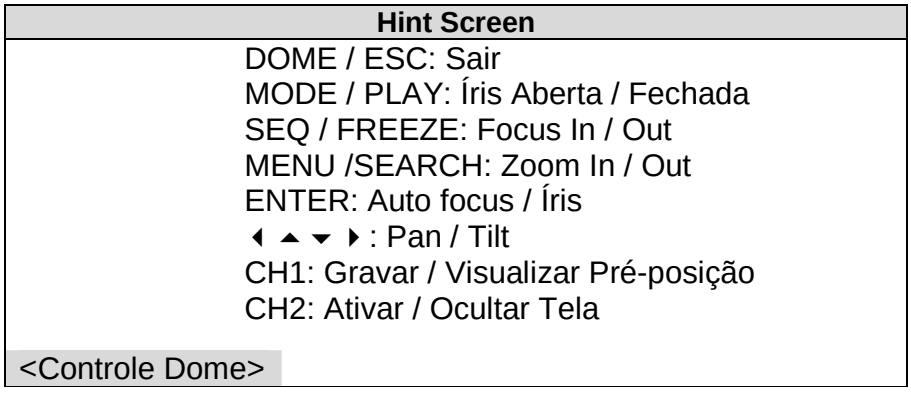
Focus Far
Use to focus the selected dome camera far.

Zoom Out
Use to zoom the dome camera out. This function is for user to choose the viewing area, more or less of it.

5.6 Setting Preset Points

The **DVR-E** allows user to set preset positions; the amount of preset points depends on the dome manufacturer.Follow the steps to set preset points.

- Press a Channel key to view the corresponding camera in full screen.
- Then press DOME to enter dome control mode. And a Hint Screen, shown as blow figure, displays on the screen.
- Press 2 again to hide the dome control Hint Screen; press 2 one more time to toggle the Hint Screen.
- Use Direction keys to position the dome camera to desired position.


Hint Screen
DOME / ESC: Sair
MODE / PLAY: Íris Aberta / Fechada
SEQ / FREEZE: Focus In / Out
MENU /SEARCH: Zoom In / Out
ENTER: Auto focus / Íris
◄ ▲ ▼ ►: Pan / Tilt
CH1: Gravar / Visualizar Pré-posição
CH2: Ativar / Ocultar Tela
<Controle Dome>

- Press 1 to access the Set/Go Preset function. The Dome Preset menu is displayed.

Dome Preset		
Index	Set Preset	Go Preset
1	NO	NO
2	NO	NO
3	NO	NO
4	NO	NO
5	NO	NO
6	NO	NO
7	NO	NO

- Use UP / DOWN keys to select the desired preset number from the menu.

- Set the <Set Preset> of the selected preset number to <YES>, and press ENTER to save the position. Now the preset is set and ready to call.

Calling Preset Points

Follow the steps to call preset points.

- Press a Channel key to view the corresponding camera in full screen.
- Then press DOME to enter dome control mode. And a Hint Screen, shown as blow figure, displays on the screen.
- Press 2 again to hide the dome control Hint Screen; press 2 one more time to toggle the Hint Screen.
- Press 1 to access the Set/Go Preset function.

Dome Preset		
Index	Set Preset	Go Preset
1	NO	NO
2	NO	NO
3	NO	NO
4	NO	NO
5	NO	NO
6	NO	NO
7	NO	NO

- Use UP / DOWN keys to select the desired preset number from the menu.
- Set the <Go Preset> of the selected preset number to <YES>, and press ENTER to call the preset point.
- Now the selected dome camera rotates to the preset position automatically.

6. Edit

The Audio and Video Recorder-Editor model **DE200-00DP** allows the user to edit the audio and the image of a video. For to do of the audio edition, the user should execute the connections showed in the figure in the Appendix A – Audio Edit Connection.

After the appropriate connections for the audio edition, the user should select which camera should be enabled and configured for this edition. The camera should be configured and which audio channel (R, L or both) it should be enabled.

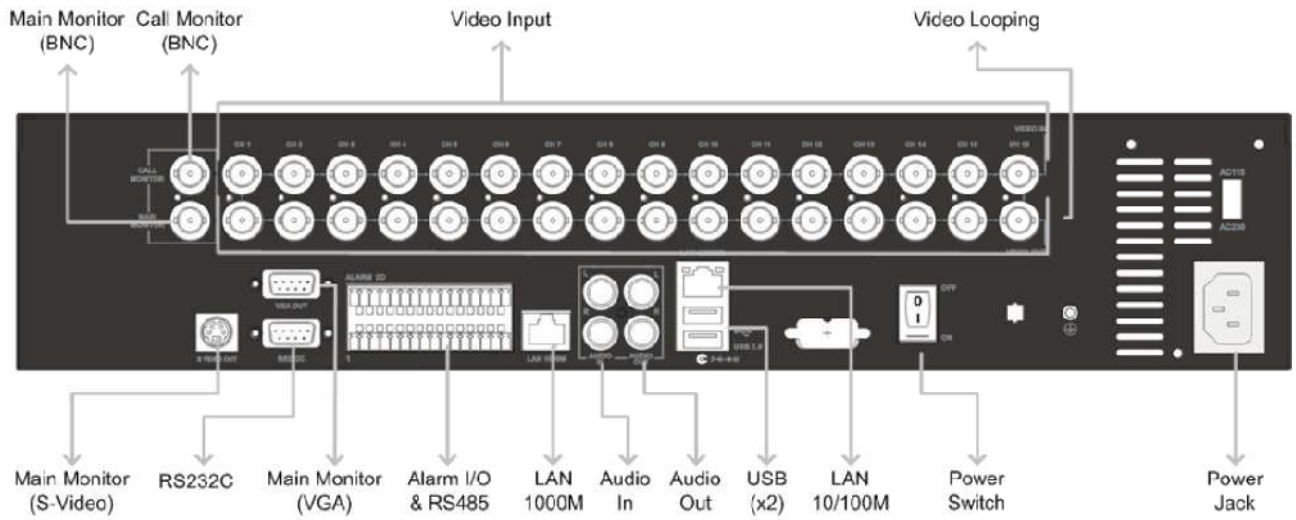
The edition of images can be executed through connection of a camera or other source any of video in the selected entrance. In the function of Edition and Video Audio, the user selects the passages of videos engravings, with the edition or not of the audio, and it edits the desired part.

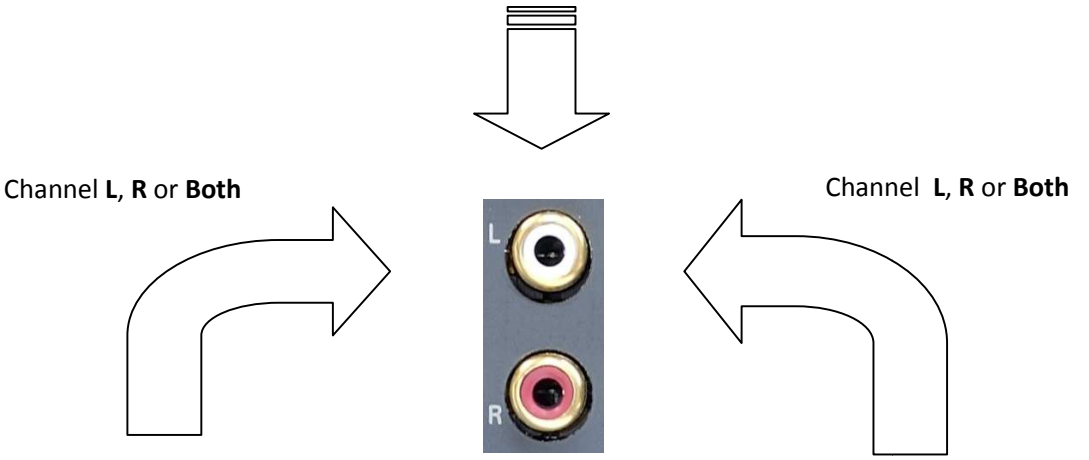
Below the configuration sequence for audio and video edition:

- Select the video channel: CH1 CH16.
- Select the date and hour at the beginning and end.
- Select Normal type of data to edit.
- Select format of the video: AVI
- Configure the function Enables Editor (Audio, Video or Both).

Appendix A: Audio and Edit Connection

The image above shows the conections that can use to audio edit in the **DE200-00DP**.





External Audio Source (Ex.: CD, Radio, and etc.)

Microphone